



**Electrical Workers  
Registration Board**

SAFETY | COMPETENCY | COMPLIANCE

**Annual  
Report 2017**



**MINISTRY OF BUSINESS,  
INNOVATION & EMPLOYMENT**  
HĪKINA WHAKATUTUKI

New Zealand Government



## Electrical Workers Registration Board

SAFETY | COMPETENCY | COMPLIANCE

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# 2016 – 2017

## Presiding Member's Report

This is the twenty-second annual report for the Electrical Workers Registration Board. In line with its strategic plan, the Board has spent the past year progressing its four main priorities:

- > Industry Engagement
- > Connecting with the Workforce
- > Auditing for Compliance (Assessments)
- > Enhancing Delivery of Competency and Training

Excellent progress has been made on all workstreams. Of particular satisfaction is the success of the eight industry 'meet and greet' sessions we have held throughout the country, which have been well attended. These sessions have provided a platform for electrical workers to gain a better understanding of the Board's role and responsibilities. They have also given the Board the opportunity to gain valuable feedback from workers on our workstreams, which has informed the direction we have taken, especially in terms of the audit programme.

The audit programme has generated robust debate; overall the concept of in-field audits has been well accepted. In the current climate of massive construction throughout the country, the importance of ensuring safe and competent workers are carrying out electrical work has never been more important, and most electrical workers acknowledge this process as an important driver for continuous improvement.

The audit pilots are now complete and the next phase is to complete the draft audit scheme and gather feedback from the industry via a consultation process. The draft scheme will provide the overarching rules for assessing electrical workers. The Board will encourage all electrical workers to provide feedback on the scheme.

The development of an 'Electrical Workers' Toolbox' is another step to assist electrical workers with easy access to the right information to help with achieving best practice. It is acknowledged that, in its current form, some of the legislation and standards are difficult to interpret. The Board is committed to working towards making it as easy as possible for electrical workers to carry out their work in a safe, compliant and competent manner. We will continue to focus on this important area.

Excellent delivery of training is paramount, as it lays the foundation for our future electrical workers. Work on enhancing the content and delivery of training programmes across the various electrical disciplines has continued this year. We also rolled out some online competency modules, which have been well received.

At the start of 2017, the Board, in consultation with the Ministry of Business, Innovation and Employment (the Ministry), reviewed its strategic plan and agreed that 'Getting Registered', 'Keeping Your Licence', and 'Industry Engagement' would be the three key strategic initiatives we focus on. The Ministry has commenced work on these important projects and we will continue to keep you updated on progress.

The number of registered practitioners over all classes of registration increased for the year by 1,653, taking the total practitioners who have current registrations to 50,414. A total of 24,740 practising licences were issued as at 30 June 2017, pertaining to the 2017 – 2019 licensing round.

The Board was kept busy with disciplinary hearings throughout the year. In total, 69 investigator reports were considered, of which 30 proceeded to a hearing and 23 people were found guilty of disciplinary offences. The number of complaints received by the Registrar was 127, up by eight from last year's figure. The Board considered 25 reports relating to non-registered people, with eight of those people found guilty at the prosecution. We remain focused on educating the public regarding engaging only qualified workers for their electrical work.

The Board has met all its performance measures within the Output Agreement with the Minister for Building and Construction. Unlike previous reports, there is no financial reporting included in this document; this information is now reported in the Ministry's annual report.

We thank Richard Stubbings for undertaking the Registrar role on an interim basis, and for the assistance he has provided over the last 11 months. We welcome Dr Simon Robb to the role of Registrar. Our thanks also goes to Brooke Mansfield for her continued administrative support, as well other Ministry staff who continue to provide assistance to the Board.

My thanks to all board members, in particular Mel Orange, the Deputy Presiding Member. The Board has recently farewelled Debra Hall. I would like to take this opportunity to acknowledge Debra's significant contribution during her tenure with the Board.



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**Shane Dolan**  
PRESIDING MEMBER  
ELECTRICAL WORKERS REGISTRATION BOARD

# 2016 – 2017 Highlights



## **Electrical Workers' Toolbox launched**

Practical advice on how to undertake compliant and safe electrical work.



## **Audit Pilot**

300 electrical workers assessed as part of our audit programme.



## **Online competency training launched**

New prerequisite online competency training launched.



## **Consumer Awareness Campaign drove 34,000 people to the Consumer Protection website**

Successful campaign targeting homeowners on the importance of using a licensed electrical worker when doing prescribed electrical work.



## **2017 – 2019 re-licensing round successfully completed**

24,740 licences issued during three month licensing round.



## **Report-a-Cowboy app**

Electrical Workers added to the PGDB app, which allows reports of non-compliant work to be received anonymously.



## **New Classes of Registration Gazetted**

New classes of registration for electrical workers, the requirements/standards for registration, and limits of work for each class of registration were gazetted in April 2017 with an effective date of October 2017. Classes have been increased from 10 to 16.



## **Meet and Greet Sessions**

The Board held eight breakfast sessions with electrical workers across New Zealand as part of their meet and greet initiative.



## **New Entrants into the Industry**

There were 1,653 new electrical workers registered.



## **New website launched**

The Board's website has been refreshed with improved content, making it quicker and easier for users.

# Registrar's Review

The Minister for Building and Construction has an Output Agreement with the Board that establishes performance and service delivery measures.

The Agreement enables the Minister to monitor the Board, and hold the Board responsible for its performance. The Agreement is in three sections: governance; strategy and capability; and service delivery.

Governance		
Expectation	Performance Measure	Output
1. Appropriate delegations to Registrar in place.	Delegations from the Board to the Registrar are fully reviewed by the Board by 31 December with clear evidence to support the decisions.	The Board reviewed and issued new delegations in accordance with the performance measure.
2. Induction and training for new Board members covering governance, legislative requirements, disciplinary role of Board, and the role of the Ministry.	Induction carried out by the Chair of the Board, supported by the Ministry, within 12 weeks of appointment.	No new members were appointed to the Board during the period under review.
3. Provide training and professional development for Board members in the performance of their duties.	At least four half-days training per annum for Board members (individual or collective).	The Board participated in a half-day training session on dealing with the media. They also attended a State Sector Governance Course.
4. Undertake Board self-review.	Board self-review completed by 30 June.	The Board completed a self-review in accordance with the performance measure.
5. Conflict of interest register regularly maintained and updated.	Conflicts of interest are made known as appropriate and minuted accordingly.	The Board continued with its conflict of interest register and continued to minute conflicts of interest relating to meeting papers on a monthly basis.
6. Publish Board Annual Report.	Annual report to be ready for tabling in Parliament by 30 November.	Annual report completed in accordance with the performance measure.

Strategy and Capability		
Expectation	Performance Measure	Output
7. Review competency training.	Review competency materials and methods of delivery.	Completed. New online pre-requisite competency training delivered from April 2017.
Service Delivery		
Expectation	Performance Measure	Output
8. Maintain a Service Level Agreement with the Ministry.	Develop, implement and monitor.	Completed. Service Level Agreement implemented and monitored.
9. Maintain a working relationship with other occupational licensing boards.	<p>Initiate contact with at least two occupational regulatory boards during the period.</p> <p>Attend occupational licensing board forums organised by the Ministry from time to time.</p>	<p>Plumbers, Gasfitters and Drainlayers Board – Initiated contact during the year and worked together for electrical workers to be part of the ‘Report-a-Cowboy app.’</p> <p>Building Practitioners Board – One member sits on two Boards, creating opportunities to share ideas and learn from each other.</p> <p>No forums were organised by the Ministry this year.</p>
10. To register and license electrical workers in the classes of registration.	To register all eligible applicants within 12 days of receipt of correctly completed applications.	All correctly completed registration applications were assessed in accordance with Board criteria and within 12 days of receipt.
11. To ensure that registered persons maintain an adequate level of competency and compliance.	Board to implement its new framework for auditing of electrical workers within agreed budget.	Pilot audit programme undertaken, and 300 electrical workers were audited. A draft assessment scheme is currently being developed to set out the rules for future assessments.
12. To set electrical worker registration standards.	Conduct examinations four times per annum and review the examination results after each examination round.	Examinations were conducted in accordance with the performance measure. The examination rounds were conducted in May, June, September and November. Examination reports were tabled with the Board for their review.

## Service Delivery (continued)

Expectation	Performance Measure	Output
13. To maintain effective communications with all stakeholders.	Develop and implement a communications plan within agreed budget.	A communications plan was developed and implemented during the year. Communications focused heavily on a consumer awareness campaign; the 2017 – 2019 re-licensing round; ongoing publication of prosecutions brought under the Electricity Act 1992; and ‘Meet and Greet’ sessions with electrical workers held by the Board.
14. To promote the licensing regime.	Promote the registration and licensing regime through communication channels and publicity campaigns within agreed budget. For example the ‘show your card’ campaign.  To prosecute non-registered persons who undertake electrical work in breach of the Electricity Act 1992 and publish the same.	Communications focused heavily on the 2017 – 2019 re-licensing round.  During the year, five media releases were published, discussing the prosecution of people doing prescribed electrical work without a licence.
15. Clear, measurable strategic plan.	Strategic and business plan reviewed and updated by 31 March 2017.	The strategic and business plan was reviewed and updated in accordance with the performance measure.
16. Continue to liaise and maintain key relationships.	Includes government agencies, industry groups, training organisations, Trans-Tasman agencies and overseas authorities.	During the year the Board, its committees, and the Registrar held meetings with representatives of the following organisations: <ul style="list-style-type: none"> <li>&gt; WorkSafe New Zealand</li> <li>&gt; Ministry of Business, Innovation and Employment</li> <li>&gt; Electricity Engineers’ Association</li> <li>&gt; Electrical Contractors Association – ECANZ (Master Electricians)</li> <li>&gt; Electrical Training Company</li> <li>&gt; Connexis</li> <li>&gt; Skills NZ</li> </ul> The Board was also represented at meetings of the Australasian Electricity Regulators Advisory Council.



# Additional Registrar Comments

## The Board

During the year the Board met 11 times over 33 days, and Committees of the Board met 20 times over 27 days.

At the first Board meeting of 2017 in February, the Board elected Shane Dolan as Presiding Member and Mel Orange as Deputy Presiding Member.

## Board policies

The Board continued its process of developing and updating policies during the year. The policies that have been developed or updated are:

- > Supervision of trainees holding a Limited Certificate
- > Supervision (other than Limited Certificate Holders)
- > Travel Time
- > Fees, Allowances and Expenses
- > Board Committees
- > Fit and Proper Persons
- > Issuing Employer Licences
- > Overseas Qualifications Policy.

Since 2014 the Board has run an awareness campaign on the importance of using a licensed electrical worker. The main messages of the online campaign were:

- > always use a licensed electrical worker for prescribed electrical work
- > always ask to see an electrical worker's photo ID
- > always ask electrical workers to certify their completed work.

## Electron newsletter

Six issues of ELECTRON (the Board's newsletter) were issued to more than 35,000 people per issue during the year.

## Discussion papers

The Board issued one discussion paper during the year titled 'Auditing of electrical workers'.

## Standards New Zealand

The agreement entered into with Standards New Zealand continued during 2016 – 2017. The agreement covers 72 standards and enables the following people to have access to view, download and print the documents:

- > Practising licence holders
- > Employer licence holders
- > Trainees who have training agreements with Skills or Connexis
- > Training providers
- > Competency programme providers
- > Board members and licensing staff.

## Consumer awareness campaign

In 2016, the Ministry co-branded the campaign with Consumer Protection.

Overall, the 2016 campaign performed considerably better than the 2015 campaign, producing over three times more clicks through to the website.

Channel	Impressions	Clicks	CTR*
Stuff Mobile CPC	1,857,000	3,169	0.17%
Made Media Network	187,469	1,076	0.57%
Google Display Network	2,441,674	5,049	0.21%
Facebook	302,273	6,553	2.83%
Google Adwords	20,030	65	0.32%
<b>Total</b>	<b>4,808,585</b>	<b>15,912</b>	<b>0.82%</b>

\*Click-through-rate to the website

# Assessments

Promoting, monitoring and reviewing the ongoing competency and safe working practices of electrical workers is a function of the Board. This year the Board has undertaken a second pilot assessment (audit) programme. The programme was set up to verify that licensed electrical workers are undertaking their work in a competent manner and that safe working practices are being used.

Telarc was selected to manage the programme, which was undertaken in the Auckland, Waikato, Bay of Plenty and Coromandel regions. Approximately 300 electrical workers were randomly selected to participate in this pilot round, which was completed on 31 May 2017. The initial results of the assessment have been analysed and are outlined below.

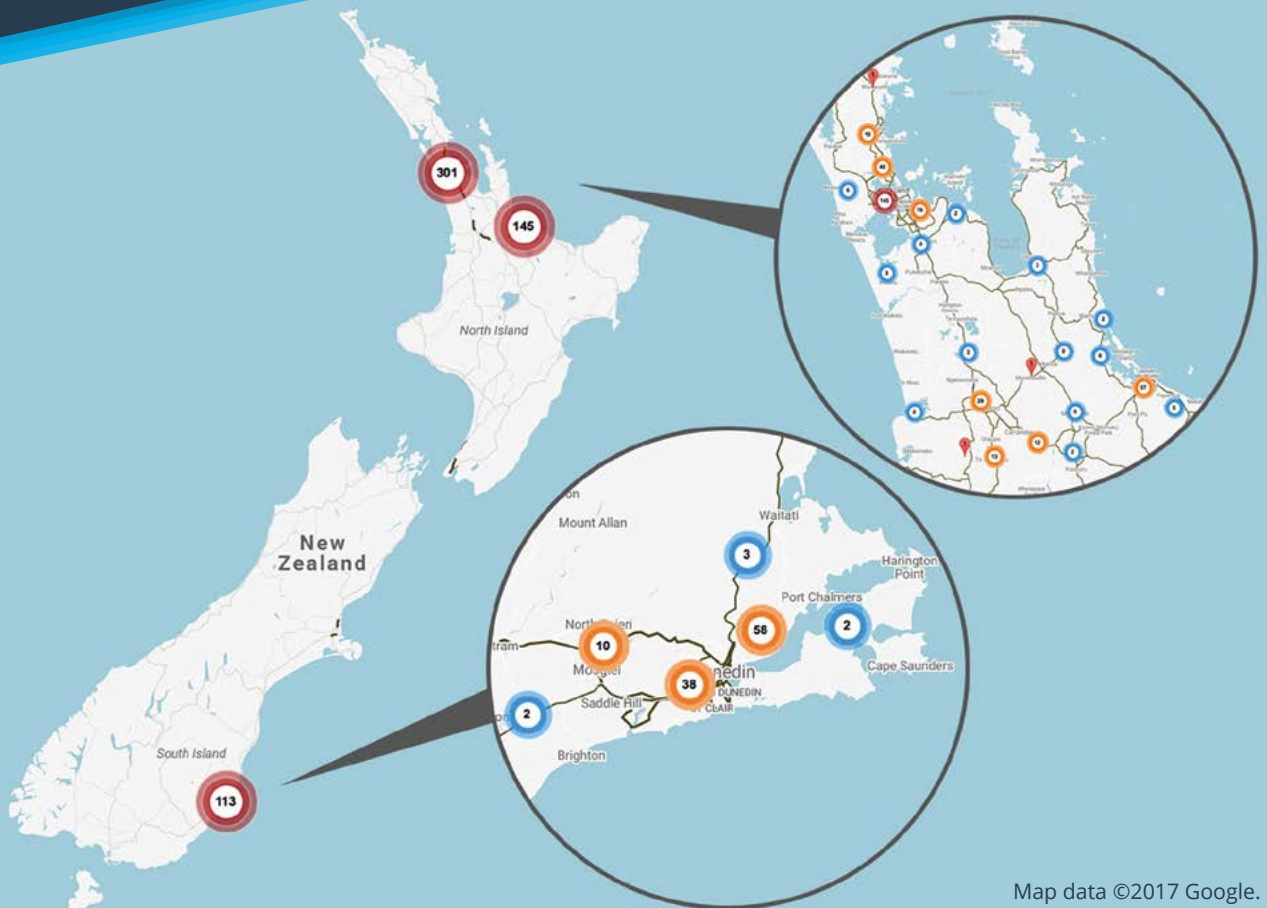
To date, the Board has been using an assessment model that includes a mixture of test-boards, onsite observations, and verbal questions to determine if the participants are undertaking their work in a competent manner and that safe working practices are being used.

The Board has confidence in this evidence-based assessment model.

## Key points

- > During both assessment rounds, we've identified several areas of concern that weren't being picked up during the Board's traditional telephone and Certificate of Compliance (CoC) audits. This is illustrated in the graph to the right.
  - > Any workers who had unsatisfactory results are being monitored to ensure that they upskill to the required level. Urgent training and additional assessments have been organised where required.
  - > The assessment findings are being fed into the syllabus of the current competency training round.
- > The majority of feedback from both trial rounds from those who participated has been very positive. Discussion at the Board's meet and greet sessions has also been positive and invaluable, and it has been encouraging that so many workers endorse the assessment programme and recognise the benefits of continuous improvement, both for the worker and the consumer.
  - > The assessments were a two-way process and gave electrical workers the opportunity to ask our experienced assessors any electrical-related questions.
  - > Importantly, both assessment rounds have proven to be more informative and less expensive than audits that were undertaken in previous years.
  - > A draft assessment scheme is currently being developed to set out the rules for future assessments. The development of the scheme is being managed by JAS-ANZ and includes valuable input from participants as well as several proactive industry stakeholders.
  - > We expect the scheme will be available for industry consultation later in 2017. The intent is that the final scheme will be a systematic risk-management framework that helps the Board to make informed decisions, and identify and respond to competence-related risks in appropriate and proportionate ways.

## Draft overview of pilot results



# New Online Competency Programme

A new online competency programme was launched in April 2017. The new programme material provides resources and structure to assist and assure providers that the Board's competency requirements are being met more effectively and consistently.

## Structure

- > Participants enrol on a competence course, with a provider of their choice.
- > Participants are required to complete two eLearning modules prior to attending the course. These are hosted on the Board's behalf.
- > Completing CPR and basic first aid continues to be a part of the programme.
- > The facilitator will deliver a course of instruction, including a news update on relevant current electrical issues.
- > Participants are required to complete both a written assessment and a practical testing exercise.
- > The written assessment will comprise 10 questions and will be 'open book'; participants may use reference materials during the assessment.

## Resources available to providers

- > A facilitator's guide setting out suggested course framework.
- > Current news update of relevant information to be delivered during presentation.

- > A question bank of technical written assessment questions and answers for each class of registration, and a set of branded templates.
- > List of practical tests to be conducted according to the practitioner's registration class.

## Initiatives and programme development

It is the Board's expectation that new programme material will continue to be regularly updated, developed and enhanced. The Board is also mindful that the skills, knowledge, experience and presentation abilities of the facilitator are an important factor in the effective delivery of the programme.

Regular quality assessments of the programme, including the existing CPR and first aid components, will also be done.

**Note:** There is a transitional period for the current competency providers extended to 31 December 2017.

## New classes of registration gazetted

The Minister for Building and Construction approved new classes of registration for electrical workers. There are 16 classes of registration, and new prescribed competency requirements aligned to these classes.

Class of Registration Prior to this Notice	
<b>Electrical Inspector (Options 1, 2 and 3)</b>	Electrical Inspector (Options 1 and 2)
<b>Electrician</b>	Electrical Inspector (Endorsed Mining) Electrician Electrician (Endorsed Mining)
<b>Electrical Engineer (Options 1, 2 and 3)</b>	Electrical Engineer (Options 1 and 2)
<b>Electrical Installer</b>	Electrical Installer (Options 1 and 2)
<b>Electrical Service Technician</b>	Electrical Service Technician (with wider limits)
<b>Electrical Appliance Serviceperson (Endorsed to Disconnect and Connect)</b>	Electrical Appliance Serviceperson (Endorsed to Disconnect and Connect)
<b>Electrical Appliance Serviceperson</b>	Electrical Appliance Serviceperson
<b>Associated Tradesperson</b>	Associated Tradesperson
<b>Line Mechanic</b>	Transmission Line Mechanic Traction Line Mechanic Distribution Line Mechanic Distribution Line Mechanic (Endorsed) Substation Maintainer

# Examinations Update

## Examinations Review

The Board has identified a number of issues relating to the examinations process, and has enlisted the Ministry to undertake an end-to-end review of examinations.

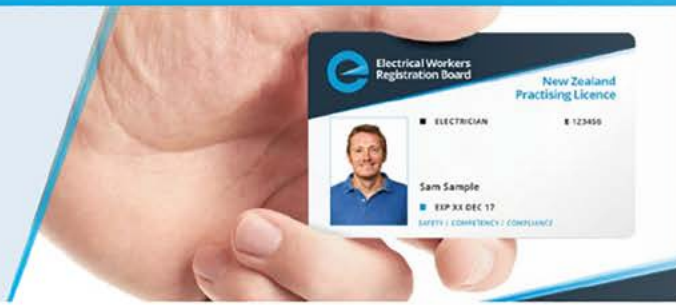
The first phase of work began at the end of March 2017, when a series of workshops with education providers was run in Christchurch, Tauranga, Auckland and Wellington. Interviews are also being conducted with industry representatives, students, and others involved with the examination process itself.

The initial work is focusing on gaining an understanding of how examinations are performing now, from stakeholder and focus group perspectives. The information gained through this research will be analysed, and a set of recommendations generated.

The Ministry, in conjunction with stakeholder representatives, will then begin to develop a range of solution options for the Board to consider. By taking the time up front to understand how the examinations are working now, parts of the process that work well, as well as the parts that don't, can be factored into the development of an improved examination process that will better meet the skill needs of the industry.



# Relicensing



Registration and licensing > Relicensing

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## Registration and licensing

Apply for registration and licensing

Apply for a Limited Certificate

Relicensing

Practising licence ID cards

Registering from overseas

You are required to renew your licence every 2 years. All registered electrical workers must hold a practising licence to carry out prescribed electrical work.



### Renew your licence

The 2015/17 practising licence has now expired. All registered electrical workers must hold a practising licence to carry out prescribed electrical work.

[Renew your licence now](#)

To renew your licence, you will need:

Training

When applying for a licence, or if you want to change the photo currently on

(your employer) are up-to-date on the register. This is especially important when renewing your licence for you – as they will not be able to renew it

The easiest way to renew your licence is to do it online. You can pay for your licence through a credit card, or through an Account2Account bank

# New Website, Toolbox and Logo

## Website

The Board's website has been refreshed with improved content, making it quicker and easier for users.

The website includes Board guidelines and operational information on electrical regulation.

Content has been updated, navigation improved, search capabilities enhanced across the site and guidance resources regrouped.

The Board also launched a new electrical workers' 'Toolbox' resource that has information to tackle some of those tricky questions. The 'Toolbox' will continue to evolve with further information being provided over time.

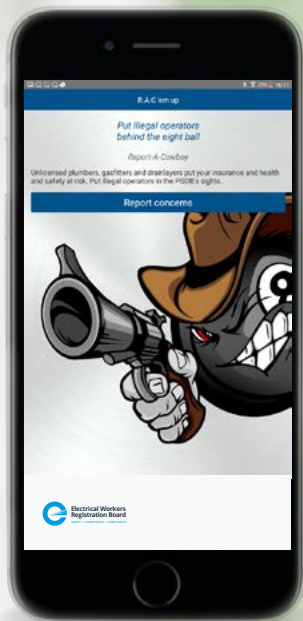
The Board also reorganised and revised information to help electrical workers and consumers to understand their rights and obligations within the electrical regulatory system.

The website's digital-friendly information can now be easily accessed using mobile phones or tablets and the refresh is part of the Board's wider objective to help electrical workers and the sector as a whole.

## Logo

Along with the website refresh, the Board logo also has a new look. In essence, it was a simplifying process that is future proof and delivers cost savings to the Board.

The original logo was complicated in structure and while it has stood the test of time in print, it was time to refocus with something more dynamic. The Board also wanted to add light and energy to the image, to make it feel more 'electric.'



## Report-a-Cowboy app

In December 2016, the Board announced that it will now be part of the Report-a-Cowboy app.

The app allows electrical workers and consumers to report (anonymously if they wish) non-compliant electrical work to the Board's investigations teams using this app.

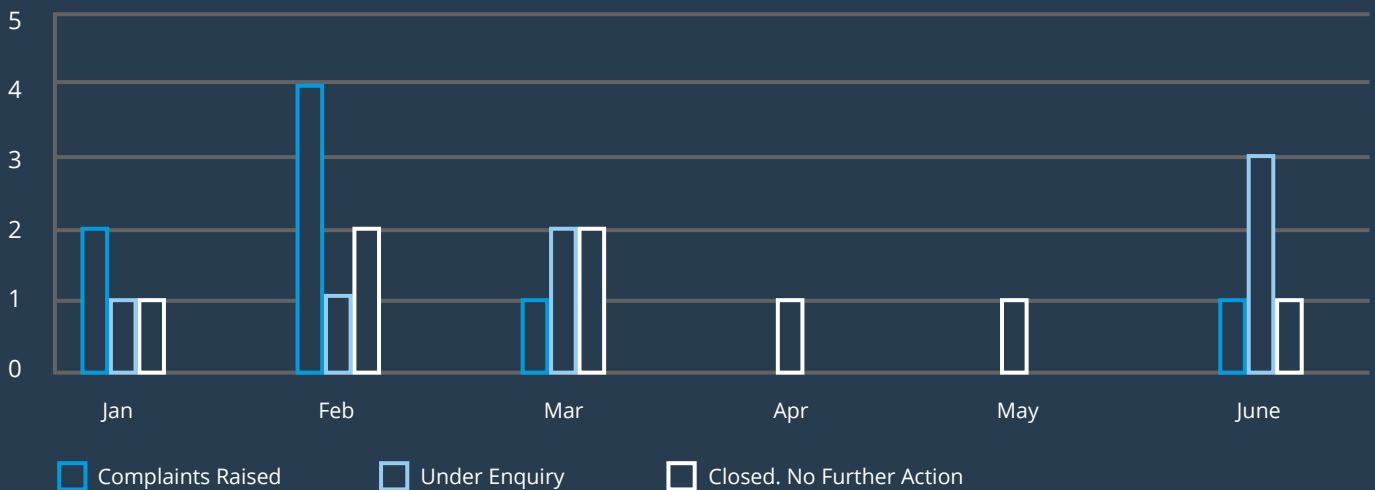


**Electrical Workers  
Registration Board**

SAFETY | COMPETENCY | COMPLIANCE

## Report-a-Cowboy

The first enquiries/complaints were received during January 2017 and are summarised below.



## Board Statistics

### Complaints against licensed/registered persons

The Registrar received 127 complaints against people under the Electricity Act 1992. The number of complaints received is similar to 2015 – 2016, when 119 complaints were received.

Overview and summary of complaints against registered electrical workers and non-registered people

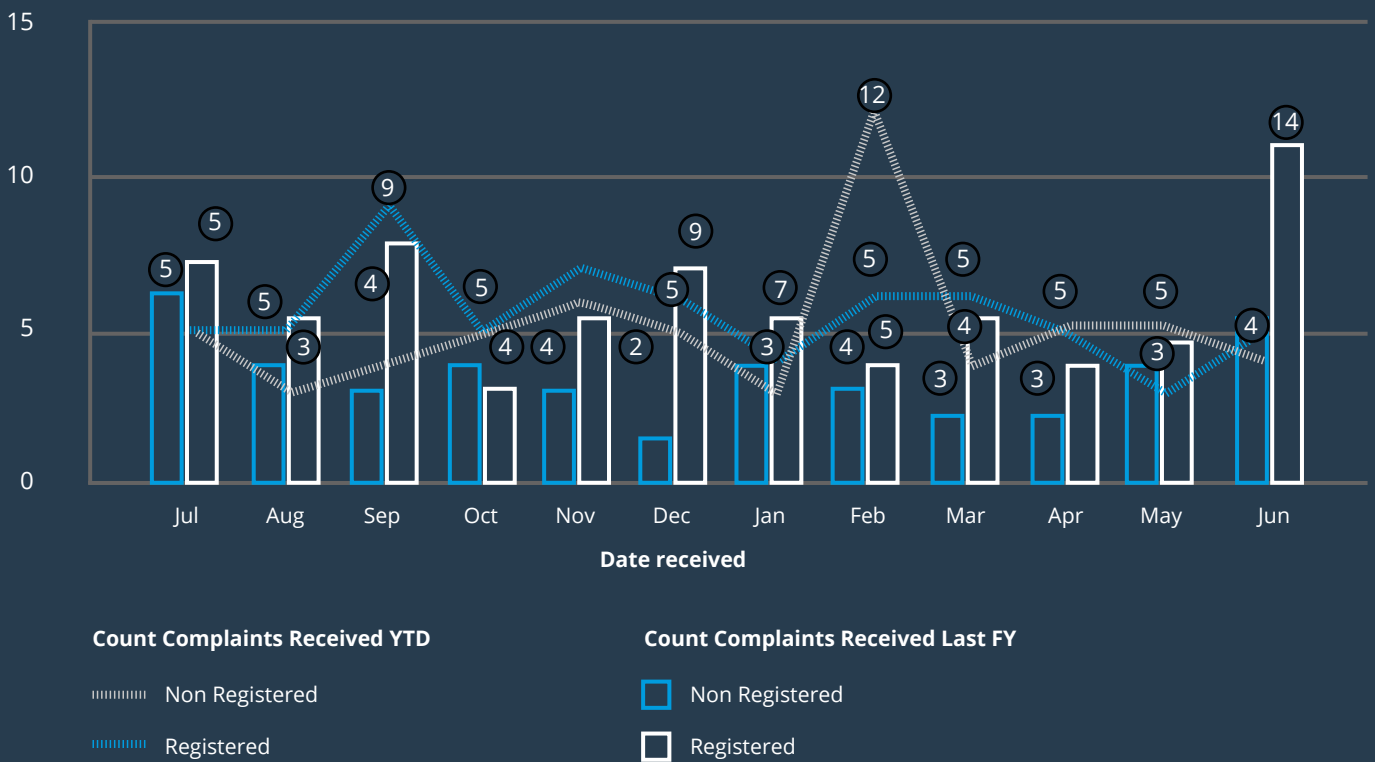
New Complaints	2016 – 2017	2015 – 2016
Registered	66	88
Non Registered	61	31
<b>Total Complaints Received</b>	<b>127</b>	<b>119</b>
Investigations		
Registered	69	79
Non Registered	58	31
<b>Total Investigations Completed</b>	<b>127</b>	<b>110</b>
Board Determinations (Registered)		
Upheld at Hearing	23	36
Not Upheld at Hearing	7	2
<b>Total Registered Heard and Determined</b>	<b>30</b>	<b>38</b>
Board Determinations (Non Registered)		
Board Decided Prosecution	8	8
Board Decided No Action	17	21
<b>Total Non Registered Board Decisions</b>	<b>25</b>	<b>29</b>
Court Outcomes		
Court Decided Guilty	8	15
<b>Total Non-Registered with Court Decision</b>	<b>8</b>	<b>15</b>



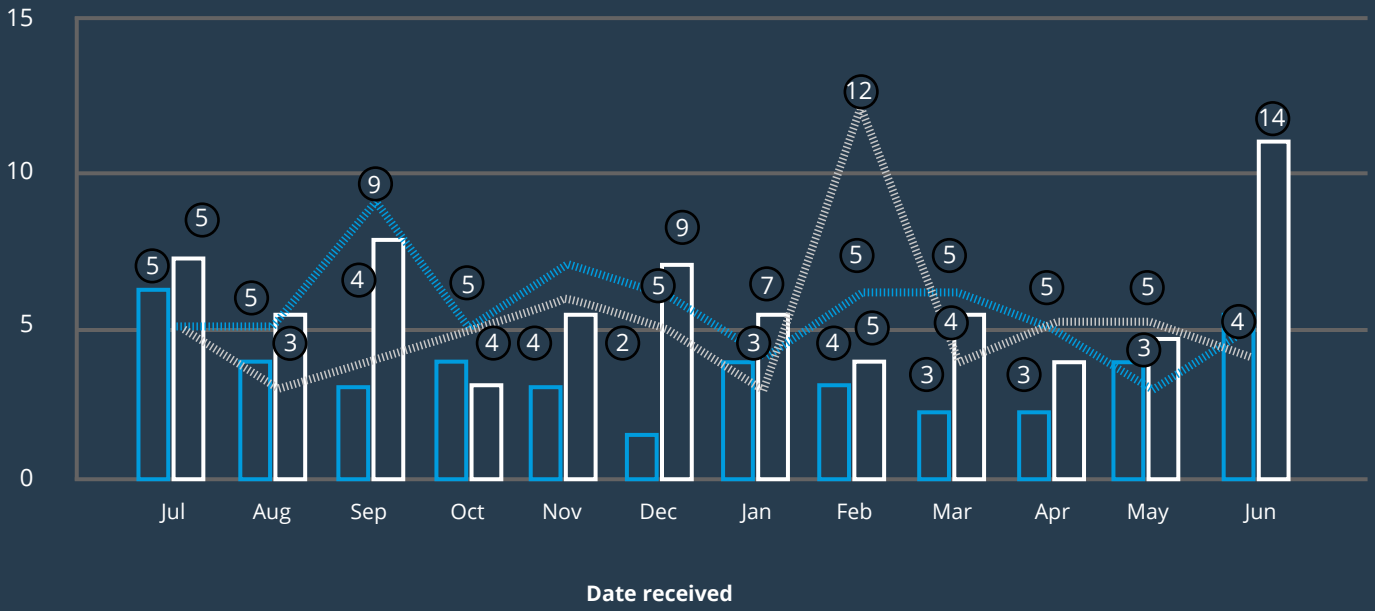
### Investigation Outcomes

Complaint Type	Outcome of Investigation	2016 – 2017
Registered	Registered Recommended Yes	33
	Registered Recommended No	32
	Frivolous or Vexatious	3
	Other	1
Non Registered	Registered Recommended Yes	1
	Registered Recommended No	1
	Non Registered Prosecution	11
	Non Registered No Further Action	41
	Frivolous or Vexatious	1
	Other	2
	Complaint Not Made in Prescribed Manner	1
<b>Total Investigations Completed</b>		<b>127</b>

### Complaints received



## Reports Completed



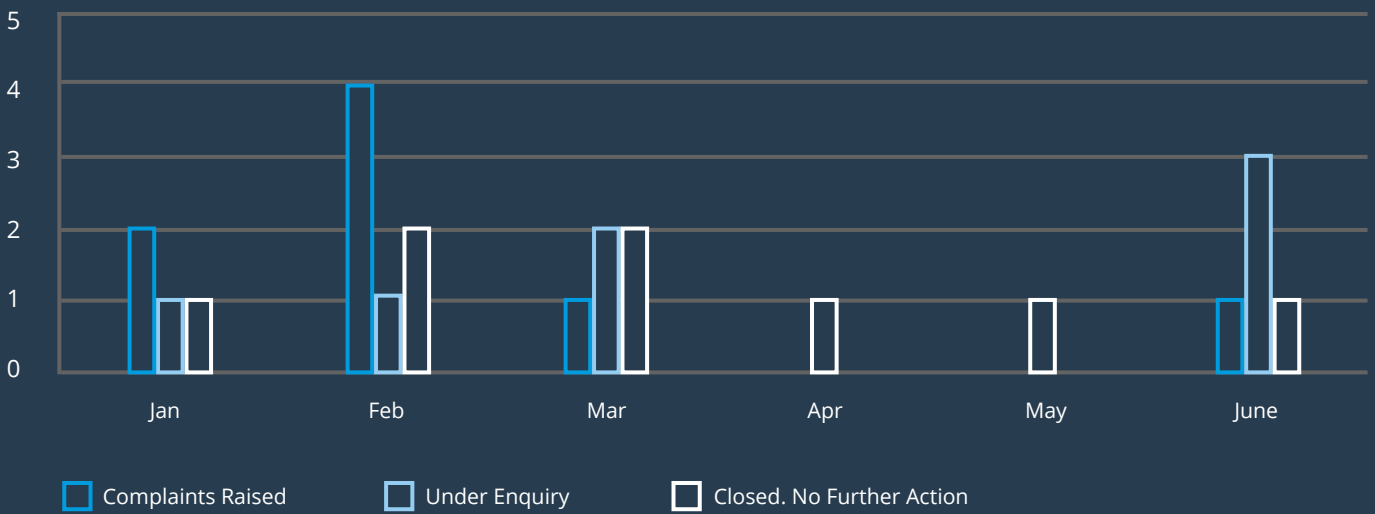
### Count Complaints Received YTD

- ..... Non Registered
- ..... Registered

### Count Complaints Received Last FY

- Non Registered
- Registered

## Complaints in Investigation

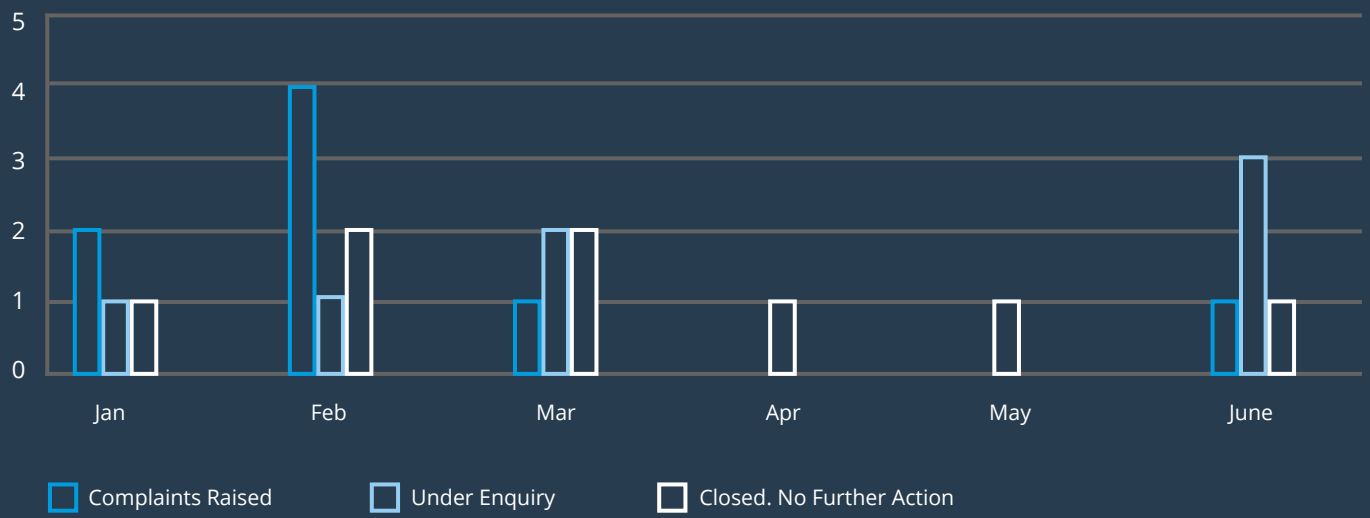


■ Complaints Raised

■ Under Enquiry

■ Closed. No Further Action

## Complaints post investigation awaiting outcome



## Registration

Registration means that an electrical worker has met the initial requirements for entry to the electrical profession. This includes checking that the electrical worker is satisfactorily trained to undertake prescribed electrical work and has passed the Board's examinations. Registration is only approved once, and does not expire.

The total number of electrical workers registered in New Zealand as at 30 June 2017 was 50,414 registered in the following classes:

Registrations By Class	2016 – 2017
Associated Trade (Gasfitter)	16
Associated Trade (Plumber and Gasfitter)	241
Associated Trade (Plumber)	37
Cable Joiner	278
Electrical Appliance Serviceperson	5,265
Electrical Appliance Serviceperson (Disconnect/Reconnect)	252
Electrical Engineer	478
Electrical Installer	236
Electrical Service Technician	9,558
Electrician	27,372
Inspector	2,862
Line Mechanic	3,819
<b>Total Registrations</b>	<b>50,414</b>

The total number of new electrical workers registered in New Zealand from 1 July 2016 through to 30 June 2017 was 1,653, registered in the following classes:

Registrations By Class	2016 – 2017
Associated Trade (Gasfitter )	1
Associated Trade (Plumber and Gasfitter)	2
Associated Trade (Plumber)	10
Cable Joiner	16
Electrical Appliance Serviceperson	117
Electrical Appliance Serviceperson (Disconnect/Reconnect)	42
Electrical Engineer	60
Electrical Installer	6
Electrical Service Technician	258
Electrician	928
Inspector	90
Line Mechanic	123
<b>Total Registrations</b>	<b>1,653</b>

## Apply for registration and licensing

Registration and licensing > [Apply for registration and licensing](#)

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### Registration and licensing

[Apply for registration and licensing](#)

[Apply for a Limited Certificate](#)

[Relicensing](#)

[Licence ID cards](#)

[Registering from overseas](#)

[Employer licences](#)

Electrical registration and licensing entitles you to carry out prescribed electrical work according to the class of registration you hold.

### In this section

#### [Before you apply](#)

Check that you meet our registration requirements and have all your supporting documents ready.

#### [Work history statements](#)

The Board is required to view signed, original references on letterhead from an employer(s), detailing the actual electrical work the employee has undertaken.

#### [Apply now](#)

To become a registered electrical worker.

#### NAVIGATION

[Becoming an electrical worker](#)  
[Registration and licensing](#)  
[Working safely and in compliance](#)  
[About us](#)

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[Forms and fees](#)  
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## Licensing

A practising licence provides assurance from the Board about an electrical worker's competence to undertake prescribed electrical work. To practise, electrical workers must have both registration and a practising licence; licences are issued every two years.

### New Licences 2016 – 2017

The total number of new electrical workers licensed in New Zealand from 1 July 2016 through to 30 June 2017 was 1,653.

## 2017 – 2019 Re-licensing Round

The Electricity Act 1992 provides a three month window through to 30 June to allow electrical workers to apply and be considered for a renewed electrical licence.

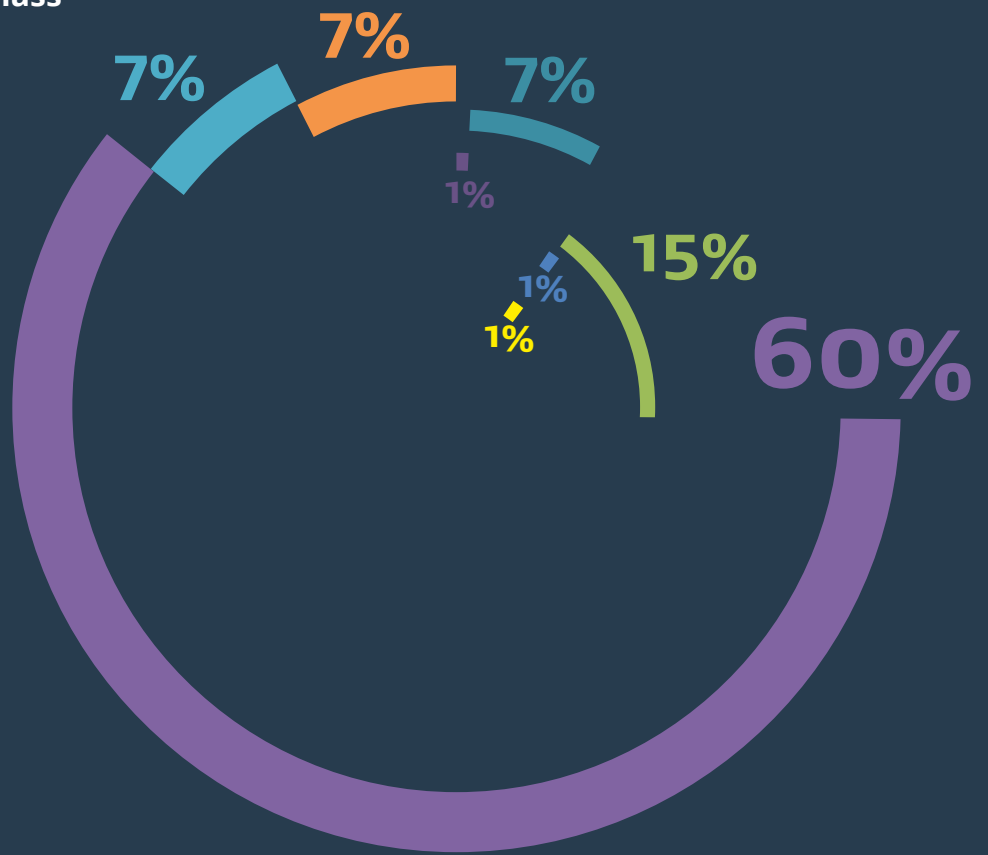
### 2017 – 2019

As at 30 June 2017, 24,740 electrical workers who could uplift a 2017 – 2019 practising licence since 1 April 2017 did so. The following table and graph summarises these electrical workers by registration class.

Registrations By Class	2017 – 2019 Licences Issued as at 30 June 2017
Associated Trade (Gasfitter)	3
Associated Trade (Plumber and Gasfitter)	56
Associated Trade (Plumber)	18
Cable Joiner	148
Electrical Appliance Serviceperson	1,731
Electrical Appliance Serviceperson (Disconnect/Reconnect)	170
Electrical Engineer	295
Electrical Installer	69
Electrical Service Technician	3,775
Electrician	14,934
Inspector	1,696
Line Mechanic	1,845
<b>Total Registrations</b>	<b>24,740</b>

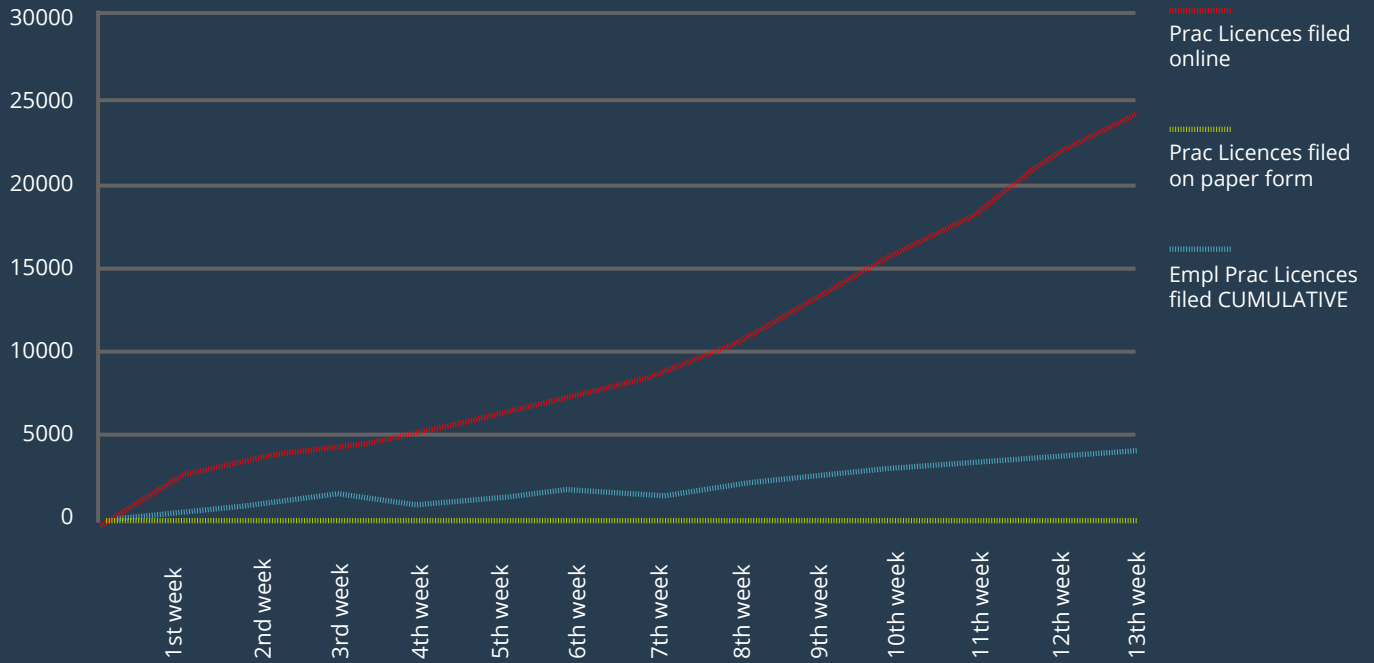
## Relicensing by Registration Class 2017 - 2019

- Electrician
  - Electrical Service Technician
  - Inspector
  - Electrical Appliance Serviceperson
  - Electrical Appliance Serviceperson (Disconnect/Reconnect)
  - Cable Jointer
  - Electrical Engineer
  - Line Mechanic
- >1%**
- Associated Trade (Gasfitter)
  - Associated Trade (Plumber and Gasfitter)
  - Associated Trade (Plumber
  - Electrical Installer

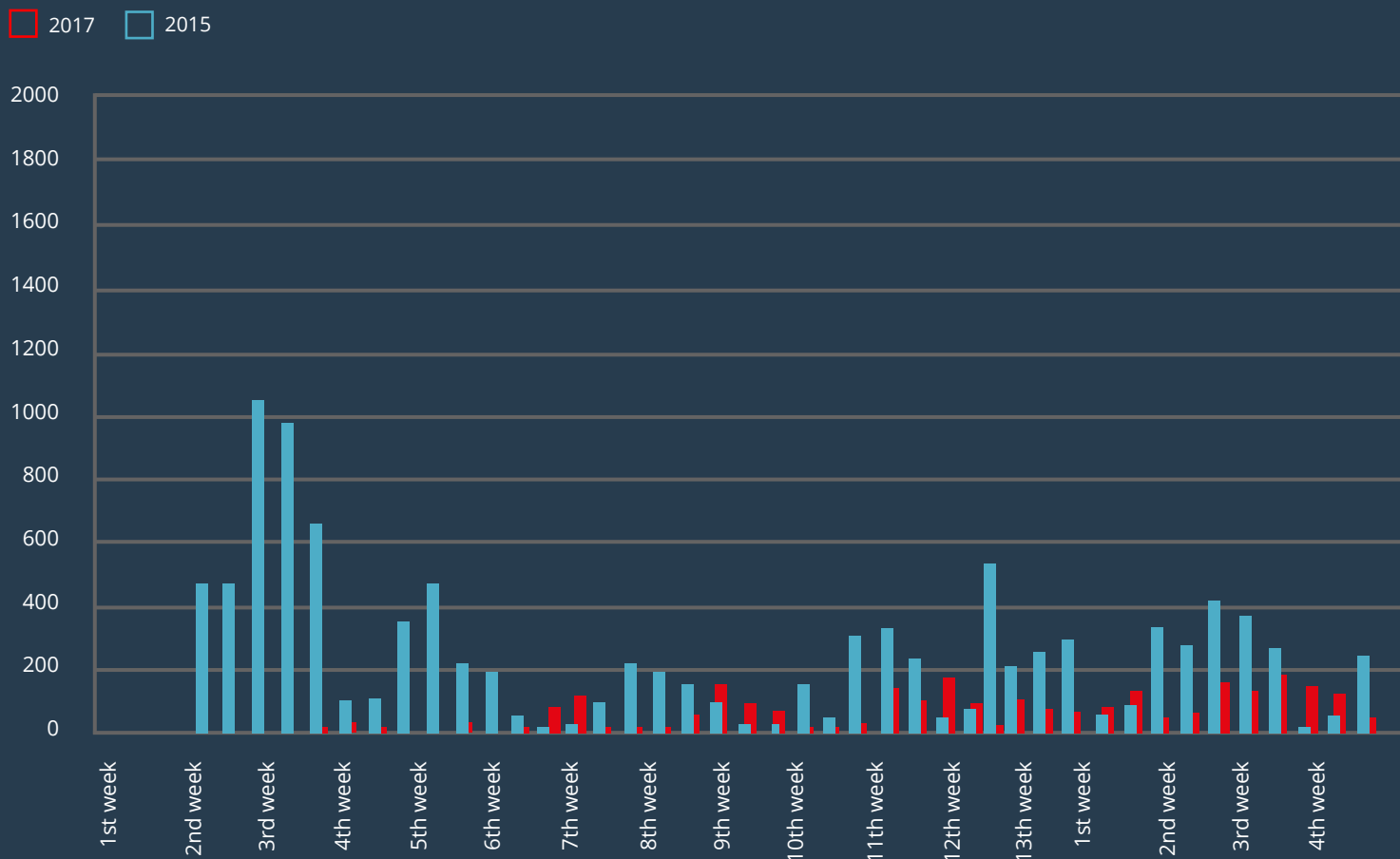


The 2017 – 2019 relicensing round closed successfully on 30 June 2017 and it consistently tracked well ahead of the 2015 – 2017 round. The comparison graph shows EWRB practising licence's issued in 2015 versus 2017. The comparative totals being as at 30 June 2017, there were 24,740 licences granted and issued, compared with 19,449 at the same time in 2015.

### 2017 – 2019 Licence Applications Received to 30 June 2017



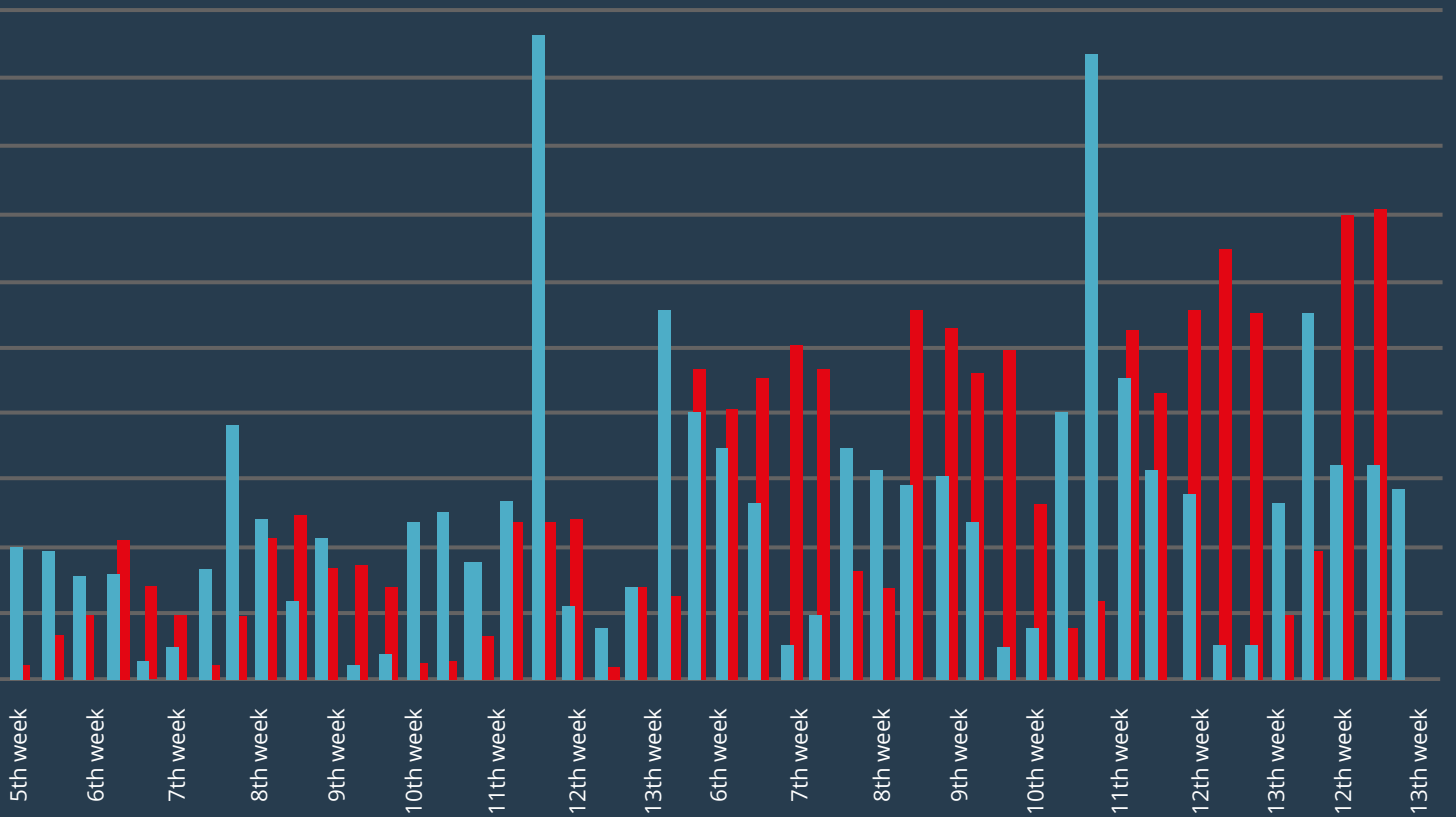
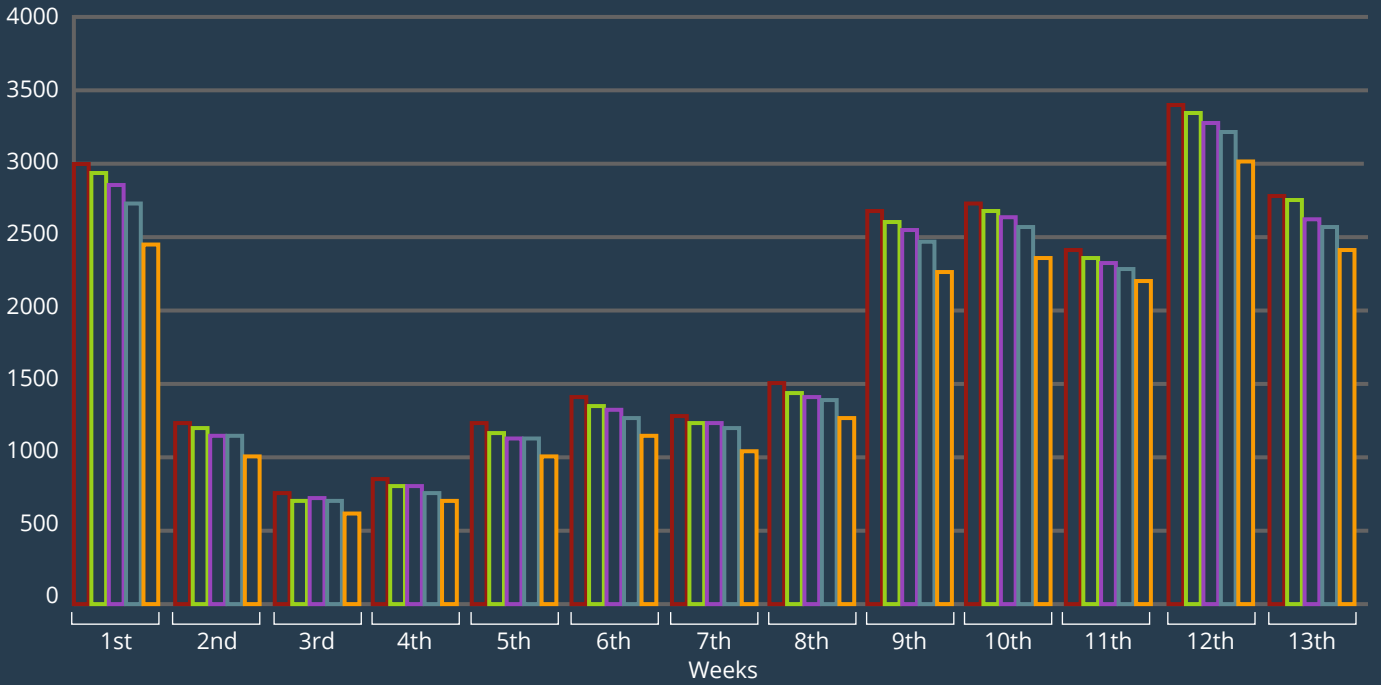
### EWRB PLs Issued 2015 vs 2017





# PL Renewal Online Activity

- Contact info page completed
- ID Photo Updated
- Declaration and Payment completed
- Licensing Requirements step completed
- Competency Training Page completed



## Geographical Distribution

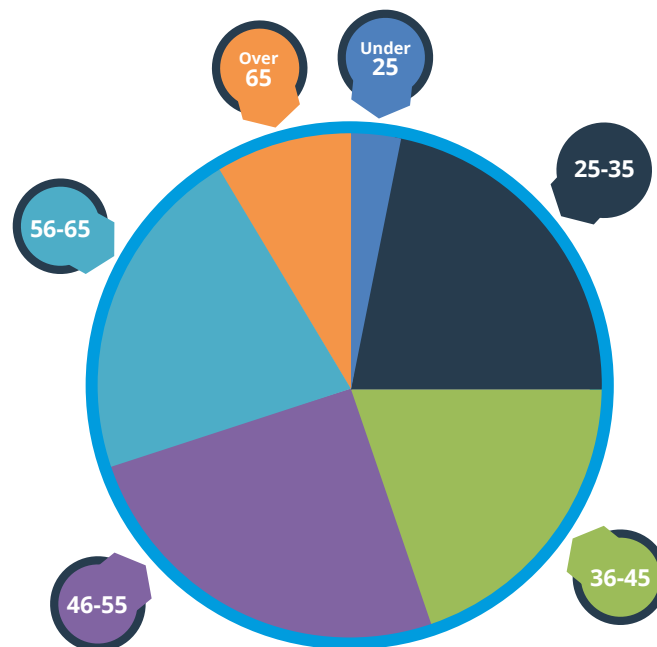
The following table and graph summarises the geographical distribution of electrical workers who are eligible to apply for a 2017 – 2019 licence.

Region	Total EWs	% per Region
Auckland	8,994	30
Bay of Plenty	2,201	7
Canterbury	4,319	14
Gisborne	194	1
Hawkes Bay	1,066	3.5
Manawatu-Wanganui	1,404	4.5
Marlborough	281	1
Nelson	306	1
Northland	1,066	3.5
Otago	1,744	6
Southland	733	2.5
Taranaki	1,107	4
Tasman	361	1
Waikato	3,097	10
Wellington	3,042	10
West Coast	240	1
<b>Grand Total</b>	<b>30,155</b>	<b>100</b>

## Age of Electrical Workers Eligible to Apply for a 2017 – 2019 Licence

The following table and graph summarises the age in ten year bands of electrical workers who are eligible to apply for a 2017 – 2019 licence.

Age Range	Total	% per Age Group
Under 25	929	3
25 - 35	6,656	22
36 - 45	5,927	20
46 - 55	7,652	25
56 - 65	6,423	21
Over 65	2,561	8
Unknown	7	0
<b>Grand Total</b>	<b>30,155</b>	<b>100</b>



### Limited certificates (trainee)

Limited Certificates (Trainee) are issued to persons who are undergoing instruction or training in any class of prescribed electrical work for the purpose of obtaining registration.

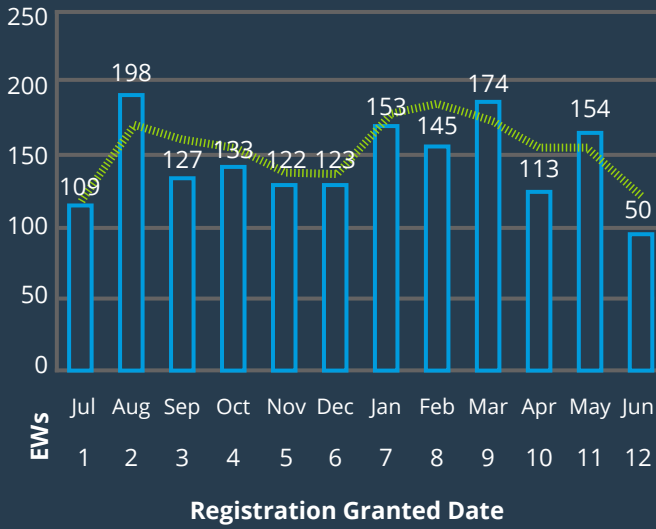
Certificate	Year to Date	Previous Year to Date
Trainee	2,230	1,857

### Limited Certificates (Other)

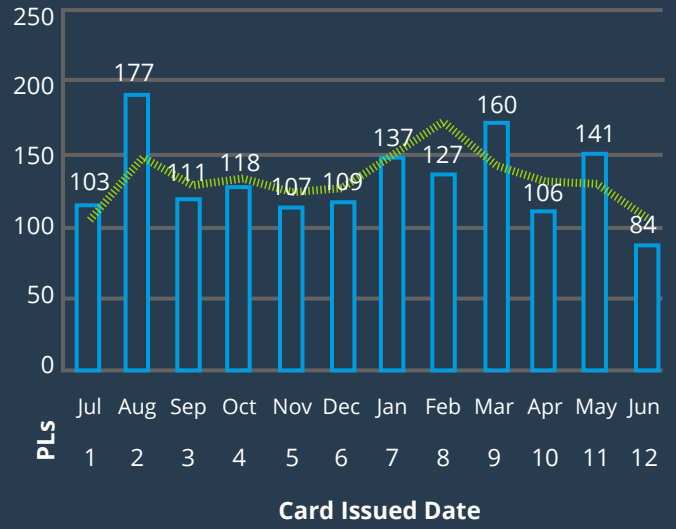
Limited certificates (Other) are issued to enable any person to assist in doing any prescribed electrical work for people who have satisfied the training and experience requirements for registration, but are still required to pass an examination(s) and/or assessment.

Certificate	Year to Date	Previous Year to Date
Other	414	329

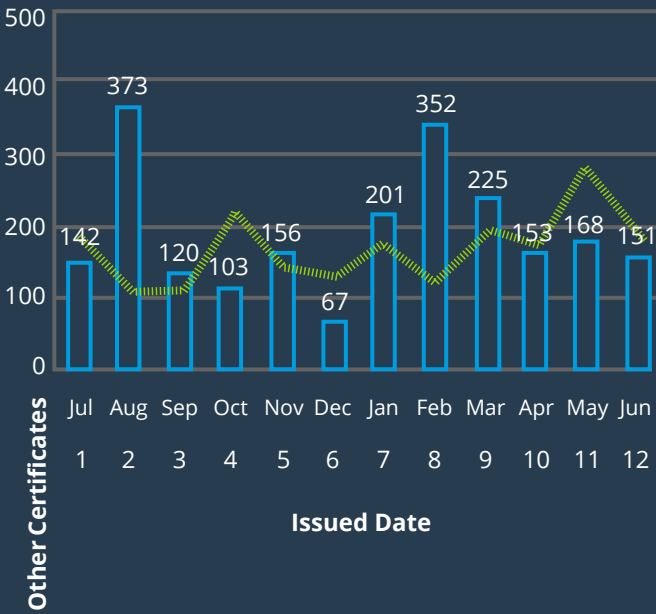
### New registered electrical workers



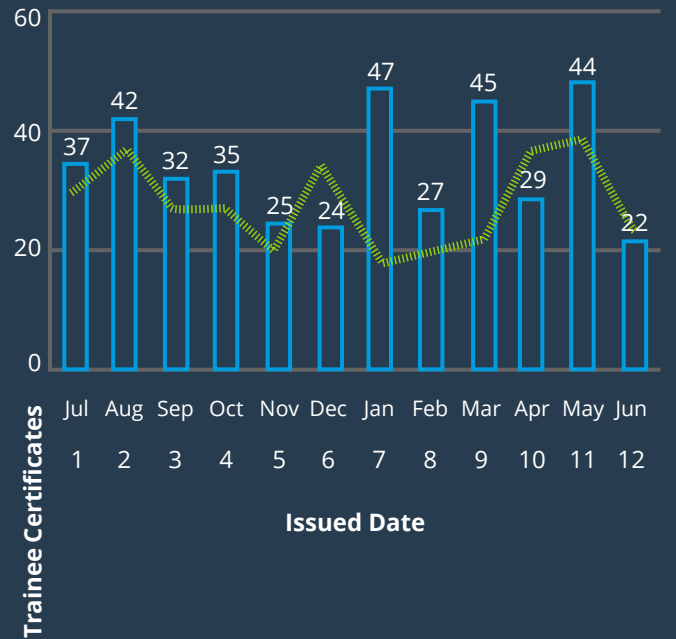
### New practicing licences



### EW limited certificates (trainee) issued



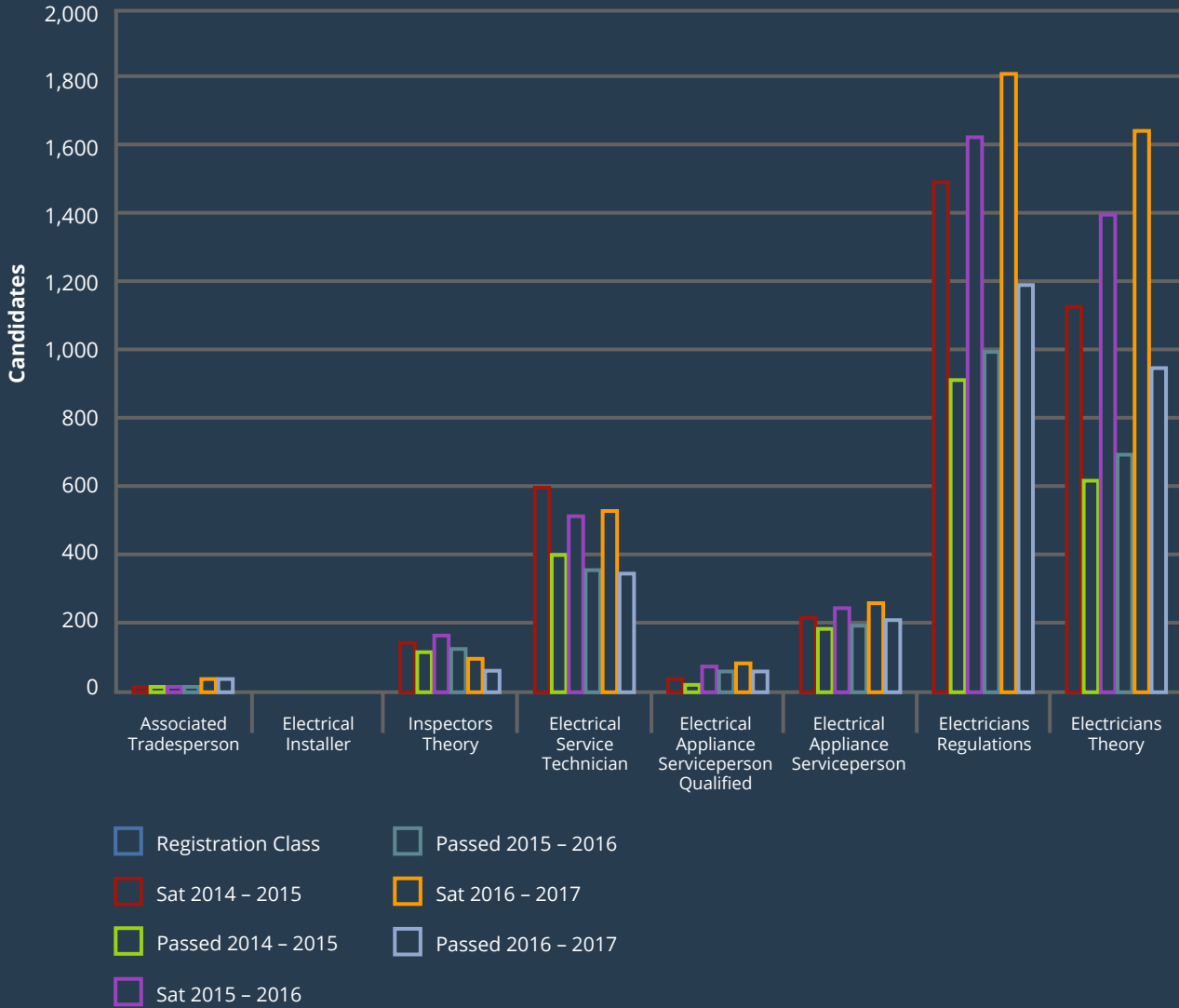
### EW limited certificates (other) issued



▬ FY 2015 - 2016
 ▬ FY 2016 - 2017

# Examinations

A total of 4,569 candidates attempted Board examinations during the year. That number was up by 425 on last year's figure of 4,144. The Board is pleased to note the continued increase in candidates attempting examinations this year.



# Statement of Financial Performance

The Electrical Workers Registration Board is a statutory Board created under the provisions of the Electricity Act 1992. The Board's revenue and expenses are managed by the Ministry of Business, Innovation and Employment, as such no financial data is provided in this report.

## Board Members

The Board consists of seven members from around New Zealand, representing both trade and the public. Five members are registered electrical workers and two are lay members. All are appointed by the Minister for Building and Construction.

Professional and administrative support for the Board is provided by the Ministry of Business Innovation and Employment.



### **Shane Dolan** | Presiding Member

Shane runs a business that provides auditing, geospatial and consulting services to utility companies. He is a registered line mechanic with 29 years of experience in the electricity industry and holds a Graduate Diploma in Geographic Information Systems as well as a Master of Business Administration (MBA) degree.

Shane brings to the Board expertise in implementing and managing quality and safety systems.



### **Mel Orange** | Deputy Presiding Member

Mel Orange is a self-employed barrister and solicitor and business consultant from Christchurch who works in the energy and construction industries. He has previously held senior management positions and board positions in the energy industry.

Mel is a former Presiding Member of the Electrical Workers Complaints Assessment Committee and a current member of the Building Practitioners Board.



### **Neil McLeod**

Neil is a self-employed registered electrical contractor with a current knowledge of the electrical sector.

He was a councillor on the Whangarei District Council from 1998 until 2005 serving on a number of committees including the judicial committee.



### **Mike Macklin**

Mike is a self-employed registered electrical inspector based in Darfield. He was previously a director for a large New Zealand low voltage switchboard and switchgear company.

He comes to the Board with broad experience in electrical, commercial and disciplinary proceedings.



### **Debra Hall**

Debra is an engineer by training, a marketer by profession, and in her retirement, an independent director and mentor. She is also an active participant in the early-stage angel investment space.

Debra sits on the National Council of the Angel Association NZ, alongside a portfolio of governance and advisory board positions with both young and established companies in the private sector.



### **Quentin Varcoe**

Quentin holds a senior management position for the contracting arm of an electrical distribution business based in Hastings (Unison), where he is responsible for the operational and financial performance of the business and implementation of the company's strategies.

Quentin holds practising licences/certificates as a registered electrical inspector and is a barrister and solicitor. He has owned and operated several businesses (including electrical contracting and software development) and is a former senior advisor for the Electrical Workers Licensing Group.



### **William Waterworth**

William is a registered electrical service technician and has a background in general management, sales and marketing. He has worked as a senior executive for a large American corporation, in both Australia and New Zealand. He has also had significant experience within SMEs, as well as operating his own business.

William has significant experience at board level, being the immediate past Chairman of a school board and working with a number of SME boards. He holds a BSc in Applied Mathematics and Marketing and is a member of the Institute of Directors. William also has technical qualifications in telecommunications engineering.



(Back row left to right) Richard Stubbings (Registrar), Shane Dolan, Quentin Varcoe, William Waterworth,  
(Front row left to right) Neil McLeod, Debra Hall, Mel Orange, Brooke Mansfield (Secretary) Absent: Mike Macklin





# HOW TO CONTACT US

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**ELECTRICAL WORKERS  
REGISTRATION BOARD**  
15 Stout Street, Wellington



**POST:**  
PO Box 10-156, Wellington 6143  
New Zealand



**EMAIL:**  
[info@ewrb.govt.nz](mailto:info@ewrb.govt.nz)



**PHONE: 0800 661 000**  
**OVERSEAS: +64 3 943 4254**  
**FAX: +64 4 473 2395**

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**Electrical Workers  
Registration Board**

SAFETY | COMPETENCY | COMPLIANCE



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